



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/economy

Raynor Garage Doors
1101 East River Road, P.O. Box 448
Dixon, IL 61021

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: SteelForm Sectional Garage Door up to 12'-2" Wide

APPROVAL DOCUMENT: Drawing No. P-3310, titled "Spec. Wind Load SteelForm Standard 24 Gauge and 20 Gauge", sheets 1 through 3 of 3, dated 03/07/2008, prepared by Raynor Garage Doors, signed and sealed by Richard A. Baumann, P.E., bearing the Miami-Dade County Product Control renewal stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: A permanent label with the manufacturer's name or logo, manufacturing address, model number, the positive and negative design pressure rating, indicate impact rated if applicable, installation instruction drawing reference number, approval number (NOA), the applicable test standards, and the statement reading 'Miami-Dade County Product Control Approved' is to be located on the door's side track, bottom angle, or inner surface of a panel.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA renews NOA # 12-0517.06 and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by Carlos M. Utrera, P.E.



[Signature]
10/29/2013

NOA No. 13-0829.12
Expiration Date: November 6, 2018
Approval Date: November 7, 2013
Page 1

Raynor Garage Doors

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS “Submitted under NOA # 08-0709.07”

1. Drawing No. **P-3310**, titled “Spec. Wind Load SteelForm Standard 24 Gauge and 20 Gauge”, sheets 1 through 3 of 3, dated 03/07/2008, prepared by Raynor Garage Doors, signed and sealed by Richard A. Baumann, P.E.

B. TESTS “Submitted under NOA # 10-0420.03”

1. Test report on Forced Entry Resistance Test, per FBC 2411 3.2.1, TAS 202-94 of two 16’x 7’ Sectional Garage Doors, prepared by Hurricane Test Laboratory, LLC, Test Report No. **G493-0706-10**, dated 08/10/2010, signed and sealed by Vinu J. Abraham, P.E.

“Submitted under NOA # 08-0709.07”

2. Test reports on 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
2) Large Missile Impact Test per FBC, TAS 201-94
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
Along with marked-up drawings and installation diagram of a 12’x 8’ SteelForm Sectional Garage Door, prepared by Hurricane Test Laboratory, LLC, Test Report No. **G493-0305-08**, dated 04/14/2008, signed and sealed by Vinu J. Abraham, P.E.
3. Test report on Tensile Test per ASTM E8, of steel sheet, prepared by Certified Testing Laboratories, Test Report No. **0313Q**, dated 04/25/2008, signed and sealed by Ramesh Patel, P.E.
4. Test report on Salt Spray per ASTM B117 of painted G40 galvanized painted steel, prepared by Wendler Engineering Services, Inc., dated 09/25/2008, signed and sealed by Richard A. Baumann, P.E.

C. CALCULATIONS “Submitted under NOA # 08-0709.07”

1. Jamb attachment verification calculations, prepared by Wendler Engineering Services, Inc., dated 05/16/2008, signed and sealed by Richard A. Baumann, P.E.
2. Jamb attachment to steel angle calculations, prepared by Wendler Engineering Services, Inc., dated 09/26/2008, signed and sealed by Richard A. Baumann, P.E.


10/29/2013

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 13-0829.12
Expiration Date: November 6, 2018
Approval Date: November 7, 2013

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

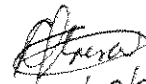
E. MATERIAL CERTIFICATIONS

1. Test report on Surface Burning Characteristics, per ASTM E84 of Type IX EPS, Report No. **3147467SAT-001**, prepared by Intertek Testing Services, NA, Inc., dated 04/10/2008, signed by Chris Bowness, P.E.
2. Test report on Self-Ignition Temperature per ASTM D1929 of Type IX EPS, prepared by Intertek Testing Services, NA, Test Report No. **3147467SAT-002**, dated 05/26/2006, signed by Chris Bowness, P.E.
3. Notice of Acceptance No. **11-0926.07**, issued to Dyplast Products LLC., for their EPS Block Type Insulation, approved on 11/10/2011, and expiring on 01/11/2017.

F. STATEMENTS

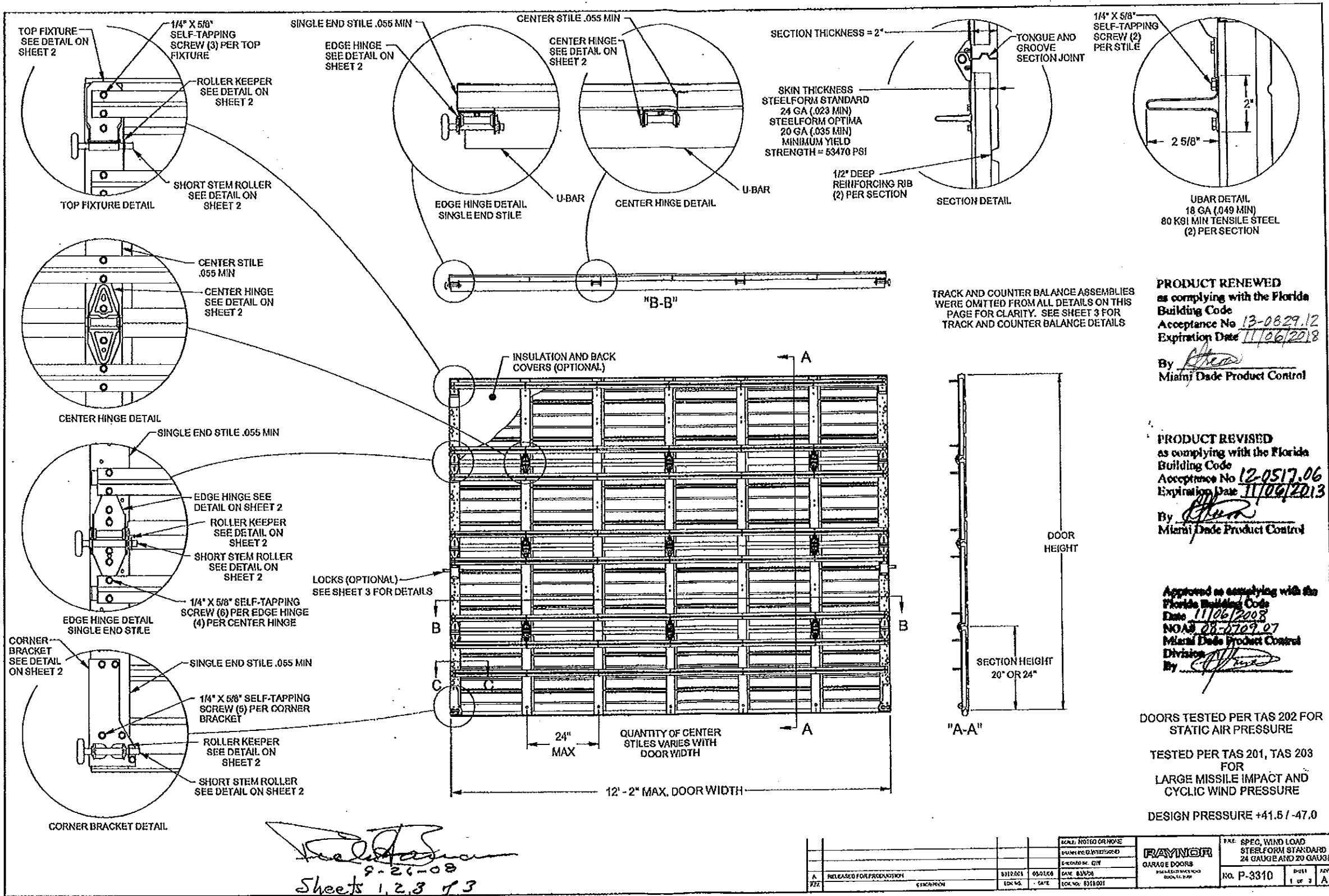
1. Statement letter of code conformance to 2010 FBC, issued by Wendler Engineering Services, Inc., dated 08/26/2013, signed and sealed by Richard A. Baumann, P.E.

"Submitted under NOA # 08-0709.07"
2. Statement letter of no financial interest issued by Wendler Engineering Services, Inc., dated 05/19/2008, signed and sealed by Richard A. Baumann, P.E.


10/29/2013

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 13-0829.12

Expiration Date: November 6, 2018
Approval Date: November 7, 2013



TRACK AND COUNTER BALANCE ASSEMBLIES WERE OMITTED FROM ALL DETAILS ON THIS PAGE FOR CLARITY. SEE SHEET 3 FOR TRACK AND COUNTER BALANCE DETAILS

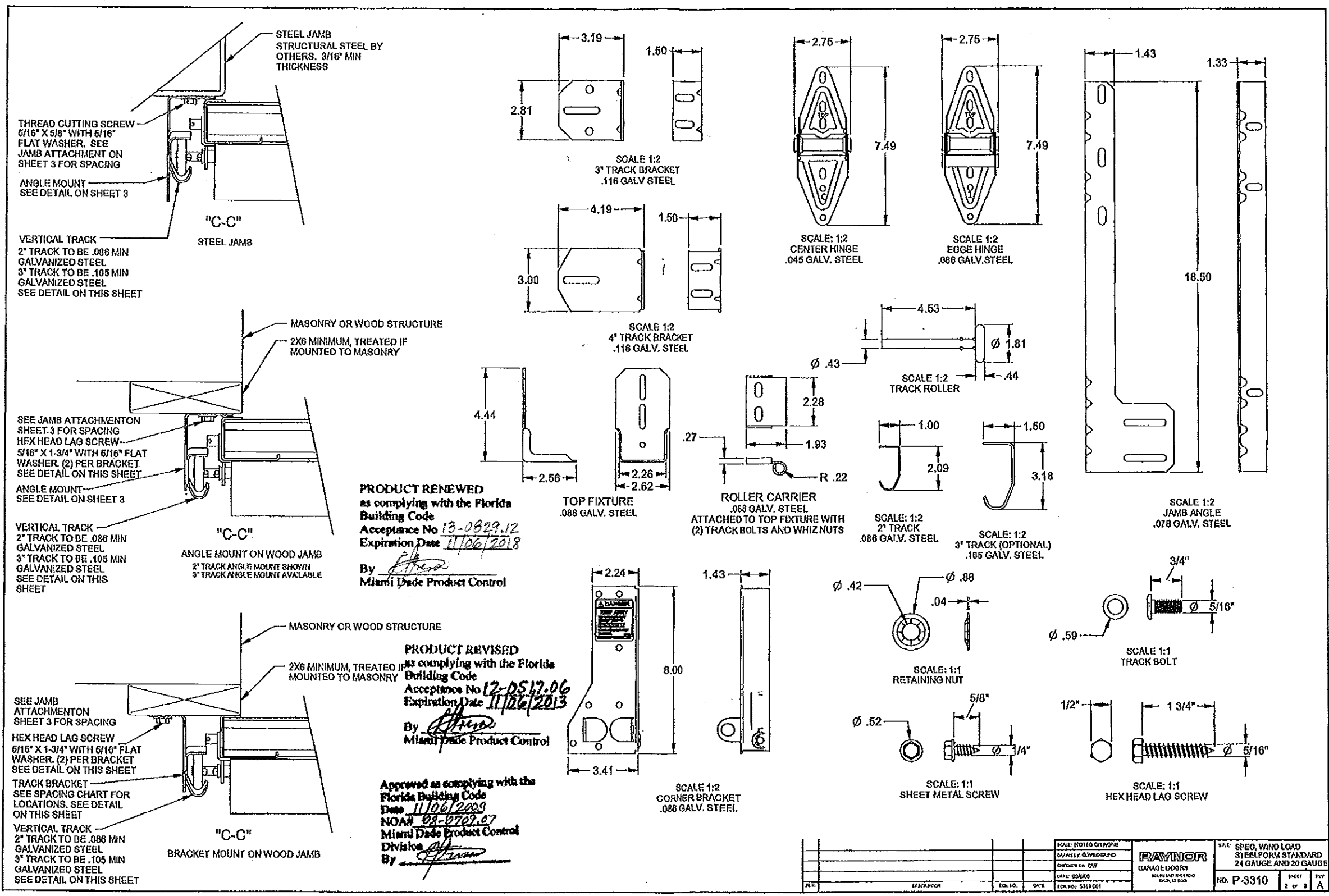
PRODUCT RENEWED
as complying with the Florida Building Code
Acceptance No 13-0829.12
Expiration Date 11/06/2018
By [Signature]
Miami Dade Product Control

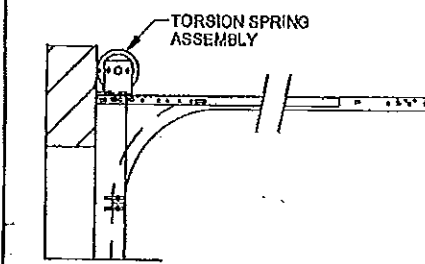
PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 12-0517.06
Expiration Date 11/06/2013
By [Signature]
Miami Dade Product Control

Approved as complying with the Florida Building Code
Date 11/06/2008
NOA# 08-0709.07
Miami Dade Product Control Division
By [Signature]

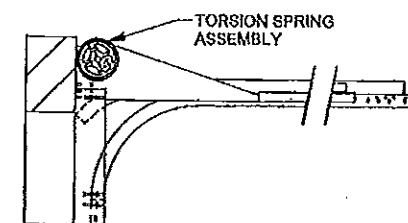
DOORS TESTED PER TAS 202 FOR STATIC AIR PRESSURE
TESTED PER TAS 201, TAS 203 FOR LARGE MISSILE IMPACT AND CYCLIC WIND PRESSURE
DESIGN PRESSURE +41.5 / -47.0

SCALE: NOTED OR NONE		DATE: 08/26/08		BY: [Signature]	
REVISIONS		DATE		BY	
1	RELEASED FOR PRESENTATION	08/26/08	08/26/08	08/26/08	08/26/08
2	REVISION	08/26/08	08/26/08	08/26/08	08/26/08
SPEC. WIND LOAD STEELFORM STANDARD 24 GAUGE AND 20 GAUGE		NO. P-3310		REV. 1 OF 3	

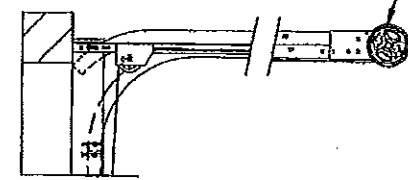




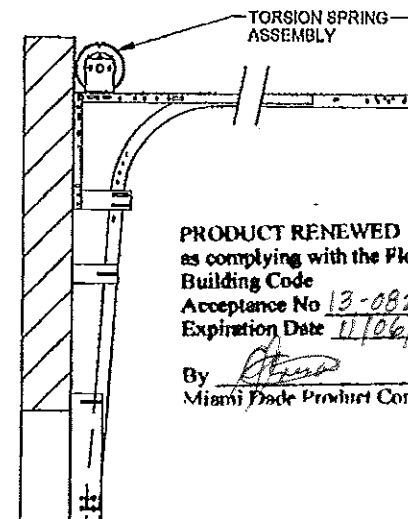
NORMAL HEADROOM TRACK
2" TRACK ANGLE MOUNT SHOWN
3" TRACK ANGLE MOUNT AVAILABLE



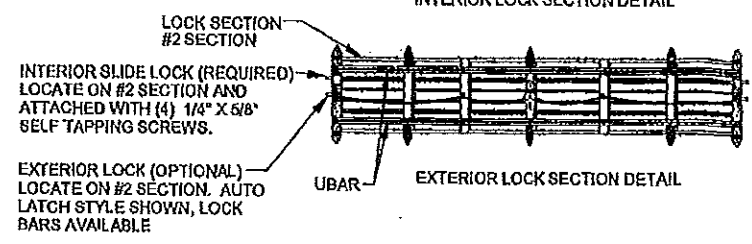
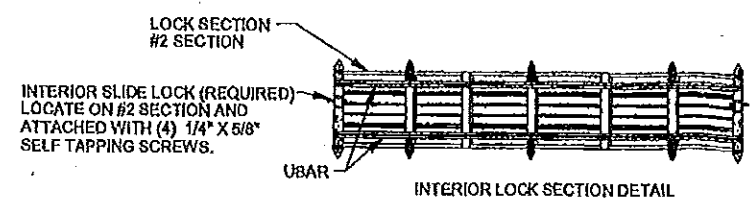
FRONT MOUNT LOW HEADROOM TRACK
2" TRACK ANGLE MOUNT SHOWN
3" TRACK ANGLE MOUNT AVAILABLE



REAR MOUNT LOW HEADROOM TRACK
2" TRACK ANGLE MOUNT SHOWN
3" TRACK ANGLE MOUNT AVAILABLE



LIFT CLEARANCE TRACK
2" TRACK ANGLE MOUNT SHOWN
3" TRACK ANGLE MOUNT AVAILABLE



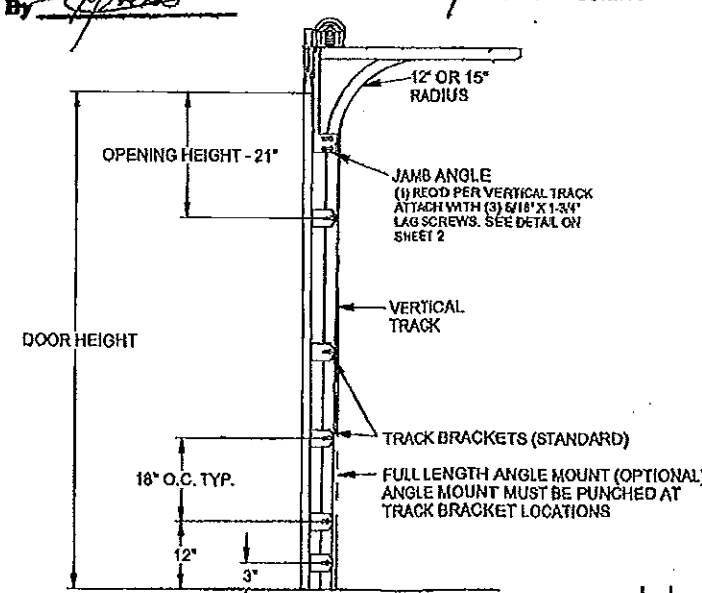
EXTERIOR LOCK (OPTIONAL)
LOCATE ON #2 SECTION. AUTO
LATCH STYLE SHOWN, LOCK
BARS AVAILABLE

JAMB ATTACHMENT NOTES

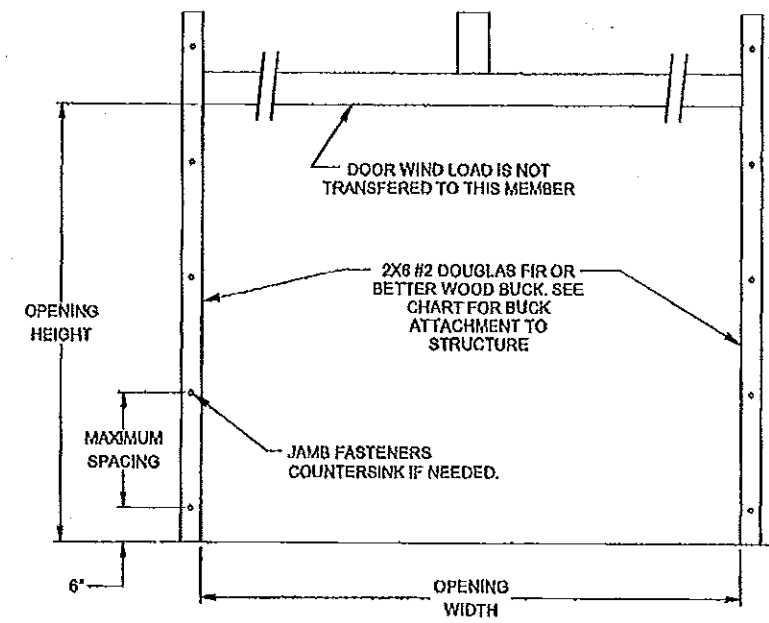
1. 1/4" DIAMETER ANCHORS REQUIRE 5/8" MIN. O.D. STEEL WASHER.
2. 5/16" AND 3/8" DIAMETER FASTENERS REQUIRE 7/8" MIN O.D. STEEL WASHER.
3. MAXIMUM POSITIVE LOAD PER JAMB = $(12'-2" \times 41.5 \text{ PSF}) / 2 = 252 \text{ LBS PER FOOT}$
4. MAXIMUM NEGATIVE LOAD PER JAMB = $(12'-2" \times 47.0 \text{ PSF}) / 2 = 288 \text{ LBS PER FOOT}$
5. DESIGN OF THE SUPPORTING STRUCTURE SHALL BE THE SOLE RESPONSIBILITY OF THE BUILDING DESIGNER AND SHALL BE DESIGNED FOR THE JAMB LOADS LISTED IN NOTES 3 AND 4.

Approved as complying with the
Florida Building Code
Date 11/06/2008
NOA# 08-0709.07
Miami Dade Product Control
Division
By [Signature]

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 12-0517.06
Expiration Date 11/06/2013
By [Signature]
Miami Dade Product Control



TYPICAL TRACK INSTALLATION



JAMB ATTACHMENT

1/4" ITW BUILDEX TAPCON				
JAMB TYPE	EMBEDMENT	EDGE DISTANCE	ALLOWABLE TENSION LOAD	MAXIMUM ON CENTER SPACING
HOLLOW BLOCK	1-1/4"	1"	117	5'-1/2"
2000 PSI CONCRETE	1-3/4"	2-1/2"	508	24"
3000 PSI CONCRETE	1-3/4"	1"	510	24'-1/4"

5/16" ITW BUILDEX TAPCON				
3000 PSI CONCRETE	1-3/4"	2 3/16"	563	26-3/4"

POWER ANCHOR - 3/8" WEDGE ANCHOR				
2000 PSI CONCRETE	1-5/8"	1-7/8"	360	17"
	3"	1-7/8"	768	36"

5/16" LAG SCREW				
SPRUCE, PINE, FIR (G = .42)	1-1/2"	1-3/4"	307	14'-1/2"
DOUGLAS FIR (G = .49)	1-1/2"	1-3/4"	387	18"
SOUTHERN YELLOW PINE (G = .55)	1-1/2"	1-3/4"	460	21'-7/8"

3/8" LAG SCREW				
SPRUCE, PINE, FIR (G = .42)	1-1/2"	1-3/4"	352	16-3/4"
DOUGLAS FIR (G = .49)	1-1/2"	1-3/4"	444	21"
SOUTHERN YELLOW PINE (G = .55)	1-1/2"	1-3/4"	528	25"

6/16 X 5/8 THREAD CUTTING SCREW				
STEEL A 36	3/16"	1/2"	1048	36"

REV	DESCRIPTION	DATE	BY	CHKD	DATE	BY	CHKD

SOME NOTED OPTIONS: SWAGGE OVERDOOR SUGGESTED ON DATE: 08/08/08 FOR NO. 5310.01	RAYNOR GARAGE DOORS INCORPORATED JACKSON, MS	TYP. SPEC. WIND LOAD STEEL FORM STANDARD 24 GAUGE AND 20 GAUGE NO. P-3310 SHEET 3 OF 3 REV A
---	--	---